Response Factor Report GC/MS Ins

Method Path : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\
Method File : 8270-BG082219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 22 14:29:15 2019
Response Via : Initial Calibration

Calibration Files
10 =BG042396.D 20 =BG042397.D 40 =BG042398.D
50 =BG042399.D 60 =BG042400.D 80 =BG042401.D

		Compound	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.462	0.411	0.416	0.398	0.411	0.394	0.412	5.78
3)		Pyridine	1.025	1.037	1.094	1.086	1.132	1.021	1.057	4.50
4)		n-Nitrosodimethyl	0.344	0.363	0.372	0.380	0.397	0.392	0.377	5.16
5)	S	2-Fluorophenol	0.998	0.994	0.998	0.977	1.007	0.980	0.988	1.69
6)		Aniline	1.800	1.825	1.780	1.752	1.820	1.755	1.779	2.15
7)	S	Phenol-d6	1.326	1.362	1.352	1.323	1.358	1.314	1.334	1.76
8)		2-Chlorophenol	1.228	1.232	1.210	1.166	1.210	1.166	1.197	2.51
9)		Benzaldehyde	0.830	0.781	0.560	0.654	0.639	0.543	0.668	17.36
10)	C	Phenol	1.364	1.377	1.374	1.352	1.386	1.328	1.356	2.00
11)		bis(2-Chloroethyl	1.078	1.076	1.077	1.050	1.078	1.048	1.065	1.43
12)		1,3-Dichlorobenze	1.589	1.546	1.519	1.486	1.533	1.495	1.522	2.45
13)	C	1,4-Dichlorobenze	1.619	1.581	1.551	1.510	1.544	1.511	1.542	3.07
14)		1,2-Dichlorobenze	1.582	1.503	1.472	1.439	1.481	1.437	1.477	3.67
15)		Benzyl Alcohol	0.919	0.953	0.963	0.958	0.980	0.964	0.960	2.18
16)		2,2'-oxybis(1-Chl	1.510	1.484	1.443	1.412	1.452	1.402	1.444	2.88
17)		2-Methylphenol	0.992	1.019	0.992	0.989	1.012	0.998	0.999	1.18
18)		Hexachloroethane	0.557	0.532	0.528	0.513	0.527	0.518	0.528	2.71
19)	P	n-Nitroso-di-n-pr	0.873	0.880	0.863	0.852	0.880	0.854	0.864	1.61
20)		3+4-Methylphenols	1.353	1.391	1.374	1.384	1.413	1.379	1.382	1.31
21)	I	Naphthalene-d8	----------	ISTD	----------					
22)		Acetophenone	0.439	0.440	0.433	0.415	0.432	0.421	0.428	2.62
23)	S	Nitrobenzene-d5	0.293	0.297	0.295	0.282	0.291	0.287	0.289	2.05
24)		Nitrobenzene	0.296	0.299	0.295	0.287	0.297	0.289	0.293	1.67
25)		Isophorone	0.575	0.585	0.585	0.555	0.577	0.564	0.571	2.25
26)	C	2-Nitrophenol	0.177	0.185	0.183	0.182	0.187	0.185	0.184	1.93
27)		2,4-Dimethylpheno	0.251	0.254	0.259	0.246	0.259	0.253	0.253	1.83
28)		bis(2-Chloroethox	0.362	0.372	0.367	0.353	0.363	0.354	0.360	2.30
29)	C	2,4-Dichloropheno	0.320	0.329	0.340	0.325	0.339	0.332	0.331	2.14
30)		1,2,4-Trichlorobe	0.412	0.422	0.409	0.393	0.412	0.401	0.406	2.54
31)		Naphthalene	0.967	0.968	0.949	0.900	0.930	0.907	0.929	3.70
32)		Benzoic acid	0.100	0.155	0.163	0.173	0.181	0.194	0.169	21.36
33)		4-Chloroaniline	0.419	0.441	0.443	0.418	0.439	0.425	0.429	2.77
34)	C	Hexachlorobutadie	0.281	0.283	0.274	0.265	0.275	0.269	0.273	2.63
35)		Caprolactam	0.105	0.108	0.116	0.109	0.113	0.111	0.110	3.32
36)	C	4-Chloro-3-methyl	0.308	0.318	0.325	0.310	0.317	0.311	0.314	1.90
37)		2-Methylnaphthale	0.757	0.772	0.773	0.725	0.752	0.730	0.746	3.27
38)		1-Methylnaphthale	0.736	0.732	0.729	0.692	0.706	0.690	0.708	3.51
39)	I	Acenaphthene-d10	----------	ISTD	----------					
40)		1,2,4,5-Tetrachlo	0.687	0.664	0.650	0.617	0.642	0.628	0.642	4.26
41)	P	Hexachlorocyclope	0.260	0.317	0.329	0.340	0.365	0.374	0.337	12.14
42)	S	2,4,6-Tribromophe	0.288	0.287	0.297	0.277	0.288	0.280	0.284	2.93
43)	C	2,4,6-Trichloroph	0.442	0.441	0.440	0.422	0.440	0.432	0.434	2.10
44)		2,4,5-Trichloroph	0.456	0.460	0.454	0.430	0.463	0.449	0.450	2.65
45)	S	2-Fluorobiphenyl	1.349	1.287	1.225	1.141	1.161	1.103	1.183	9.62
46)		1,1'-Biphenyl	1.399	1.331	1.319	1.245	1.291	1.263	1.293	4.97
47)		2-Chloronaphthale	1.194	1.153	1.134	1.074	1.121	1.082	1.115	4.58
48)		2-Nitroaniline	0.266	0.270	0.276	0.263	0.269	0.273	0.269	1.71
49)		Acenaphthylene	1.803	1.754	1.748	1.622	1.678	1.614	1.677	5.90
50)		Dimethylphthalate	1.548	1.518	1.515	1.396	1.432	1.378	1.443	6.02
51)		2,6-Dinitrotoluen	0.336	0.335	0.348	0.329	0.339	0.329	0.334	2.30

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		Compound	10	20	40	50	60	80	Avg	%RSD
52)	C	Acenaphthene	1.084	1.052	1.055	0.991	1.012	0.985	1.018	4.63
53)		3-Nitroaniline	0.328	0.338	0.350	0.327	0.335	0.335	0.335	2.42
54)	P	2,4-Dinitrophenol	0.134	0.168	0.203	0.203	0.218	0.225	0.198	17.82
55)		Dibenzofuran	1.834	1.786	1.769	1.638	1.675	1.599	1.686	7.02
56)	P	4-Nitrophenol	0.195	0.228	0.248	0.240	0.252	0.252	0.238	8.74
57)		2,4-Dinitrotoluen	0.469	0.483	0.504	0.471	0.485	0.478	0.479	2.86
58)		Fluorene	1.504	1.460	1.447	1.337	1.363	1.303	1.378	7.03
59)		2,3,4,6-Tetrachlo	0.459	0.457	0.460	0.432	0.448	0.438	0.445	3.41
60)		Diethylphthalate	1.551	1.472	1.496	1.358	1.391	1.340	1.411	7.07
61)		4-Chlorophenyl-ph	0.897	0.862	0.865	0.806	0.827	0.796	0.831	5.66
62)		4-Nitroaniline	0.353	0.364	0.381	0.350	0.357	0.354	0.358	3.20
63)		Azobenzene	1.039	1.005	1.002	0.931	0.959	0.929	0.967	5.16
64)	I	Phenanthrene-d10	----------ISTD----------							
65)		4,6-Dinitro-2-met	0.101	0.119	0.130	0.126	0.134	0.134	0.125	9.79
66)	c	n-Nitrosodiphenyl	0.574	0.581	0.568	0.534	0.549	0.530	0.550	4.53
67)		4-Bromophenyl-phe	0.252	0.260	0.258	0.253	0.257	0.249	0.254	1.94
68)		Hexachlorobenzene	0.282	0.286	0.283	0.268	0.277	0.269	0.276	3.05
69)		Atrazine	0.221	0.222	0.192	0.188	0.189	0.155	0.195	12.74
70)	C	Pentachlorophenol	0.112	0.135	0.150	0.150	0.154	0.153	0.143	10.47
71)		Phenanthrene	1.086	1.075	1.051	0.961	0.983	0.924	0.993	8.13
72)		Anthracene	1.075	1.070	1.054	0.967	0.981	0.930	0.992	7.96
73)		Carbazole	0.954	0.951	0.936	0.862	0.876	0.831	0.884	7.58
74)		Di-n-butylphthala	1.154	1.130	1.125	1.021	1.032	0.965	1.045	9.36
75)	C	Fluoranthene	1.398	1.351	1.307	1.170	1.171	1.093	1.212	12.01
76)	I	Chrysene-d12	----------ISTD----------							
77)		Benzidine	0.677	0.651	0.503	0.521	0.515		0.573	14.55
78)		Pyrene	1.376	1.344	1.298	1.200	1.211	1.131	1.226	10.12
79)	S	Terphenyl-d14	1.100	1.026	0.962	0.857	0.850	0.755	0.925	13.80
80)		Butylbenzylphthal	0.505	0.501	0.502	0.470	0.483	0.466	0.482	4.44
81)		Benzo(a)anthracen	1.329	1.300	1.280	1.193	1.210	1.131	1.217	7.66
82)		3,3'-Dichlorobenz	0.526	0.530	0.503	0.479	0.489	0.465	0.489	7.03
83)		Chrysene	1.291	1.263	1.237	1.143	1.162	1.098	1.173	8.24
84)		Bis(2-ethylhexyl)	0.710	0.702	0.700	0.657	0.669	0.639	0.670	5.55
85)	c	Di-n-octyl phthal	1.214	1.208	1.204	1.133	1.160	1.102	1.152	5.60
86)		Indeno(1,2,3-cd)p	1.605	1.617	1.636	1.556	1.618	1.576	1.595	2.04
87)	I	Perylene-d12	----------ISTD----------							
88)		Benzo(b)fluoranth	1.172	1.137	1.170	1.065	1.080	1.066	1.100	5.63
89)		Benzo(k)fluoranth	1.169	1.139	1.101	1.029	1.045	0.982	1.057	8.00
90)	C	Benzo(a)pyrene	1.121	1.082	1.095	1.012	1.035	0.998	1.043	5.55
91)		Dibenzo(a,h)anthr	1.120	1.095	1.089	1.027	1.053	1.020	1.056	4.43
92)		Benzo(g,h,i)peryl	1.113	1.076	1.084	1.023	1.057	1.037	1.057	3.53

(#) = Out of Range ### Number of calibration levels exceeded format ###